



Shenzhen Eastar Battery Co.,Ltd

LR626

**TECHNICAL SPECIFICATION
FOR
MERCURY FREE ALKALINE
MANGANESE DIOXIDE BUTTON CELL
(GREEN BUTTON CELL)**

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SPEC. NO. : LR626

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TECHNICAL SPECIFICATION FOR ALKALINE MANGANESE DIOXIDE BUTTON CELL **LR626**

1. Cross Reference :

IEC	JAPAN	Ray-O-Vac	U.S.A SWITZERLAND	GERMANY	H.K PRODUCTS
LR66	LR626	RW329	377	V377	AG4

2. Chemical System : Zinc-Manganese Dioxide (Potassium Hydroxide Electrolyte)

3. Nominal Voltage : 1.50V

4. Standard Capacity : 18mAh (continuously discharge at 20±2°C under 22kΩ load to 0.9V end-point voltage)

5. Approximate Weight : 0.28g

6. Dimensions & Structure : Dimensions & structure of the cell are shown in the attached Fig. 1.

7. Terminal Materials : Negative : Ni/ST/Cu clad 、 Ni plated/Fe/Cu plated or gold plated steel
Positive : Ni plated steel

8. Characteristics : Characteristics of the cell are shown in the following table.

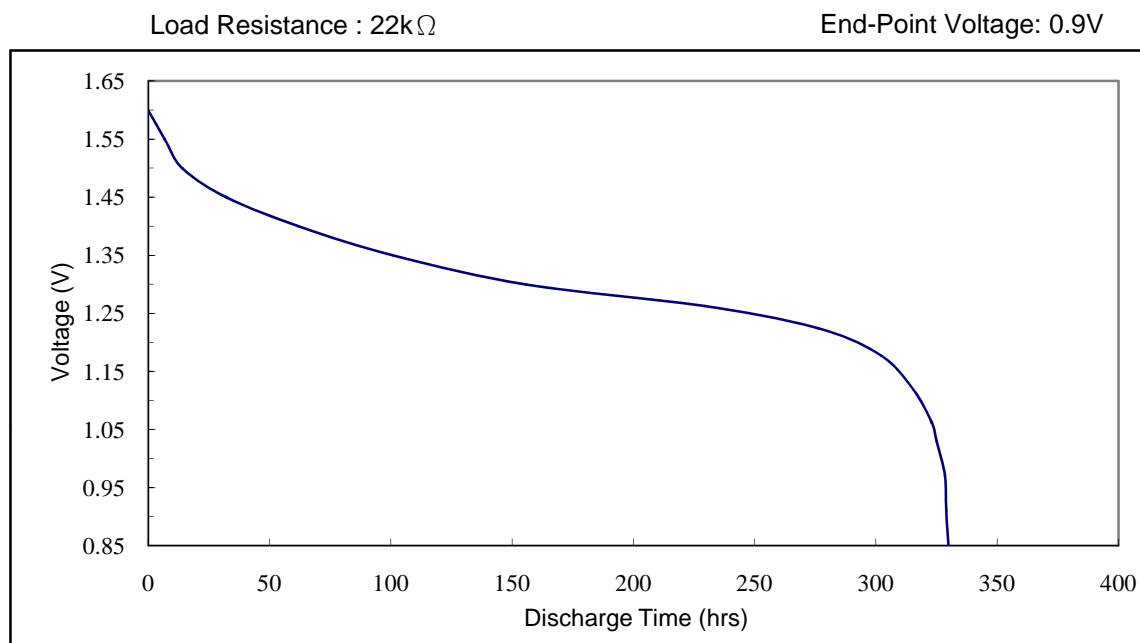
Items	Storage	Characteristics	Conditions
8.1 Electric Characteristics			
Open-Circuit Voltage	Initial	1.510V or higher	DC Voltmeter : The tolerance is $\pm 0.005V$ and the input resistance is $1M\Omega$ or more.
	After 12 months	1.500V or higher	
Closed-Circuit Voltage	Initial	1.500V or higher	DC Voltmeter : Same as above. Load Resistance : $22k\Omega$, 0.8Sec.
	After 12 months	1.490V or higher	
8.2 Service Output			
Service Life $22k\Omega$ Continuous Discharge	Initial	330hrs or longer	Discharge Resistance : $22k\Omega$ End-Point Voltage : 0.9V
	After 12 months	298hrs or longer	
8.3 Electrolyte Leakage Proof Characteristics			

Electrolyte leakage on overdischarge	There are no bulging or deformation of cells in excess of maximum dimensions shown in attached Fig. 1 by 0.2mm or more. There are no visible electrolyte leakage.	Temperature : $20\pm 2^{\circ}\text{C}$ Humidity : $(65\pm 20)\% \text{RH}$ Load Resistance : $22\text{k}\Omega$ Overdischarge Time : 48hrs (discharge after having reached specified end-point voltage)
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0

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9. Discharge Curve :



10. Markings on Product :

- (1) Battery Type : L626
- (2) Brand : thumbcells
- (3) Polarity : "+" at the bottom ("--" not indicated)
- (4) Other specified markings

11. Caution for Use :

- (1) Since the button cell is not manufactured for recharging, there are risks of electrolyte leakage or causing damage to the device if the cell is charged.
- (2) The button cell shall be installed with its "+" and "--" sign according to the instruction shown on the applied device.
- (3) Short-circuiting, heating, disposing of in fire, or disassembling the button cell shall be prohibited.

12. Warranty : 6 months shelf life after delivery.

L626 DIMENSIONS & STRUCTURE

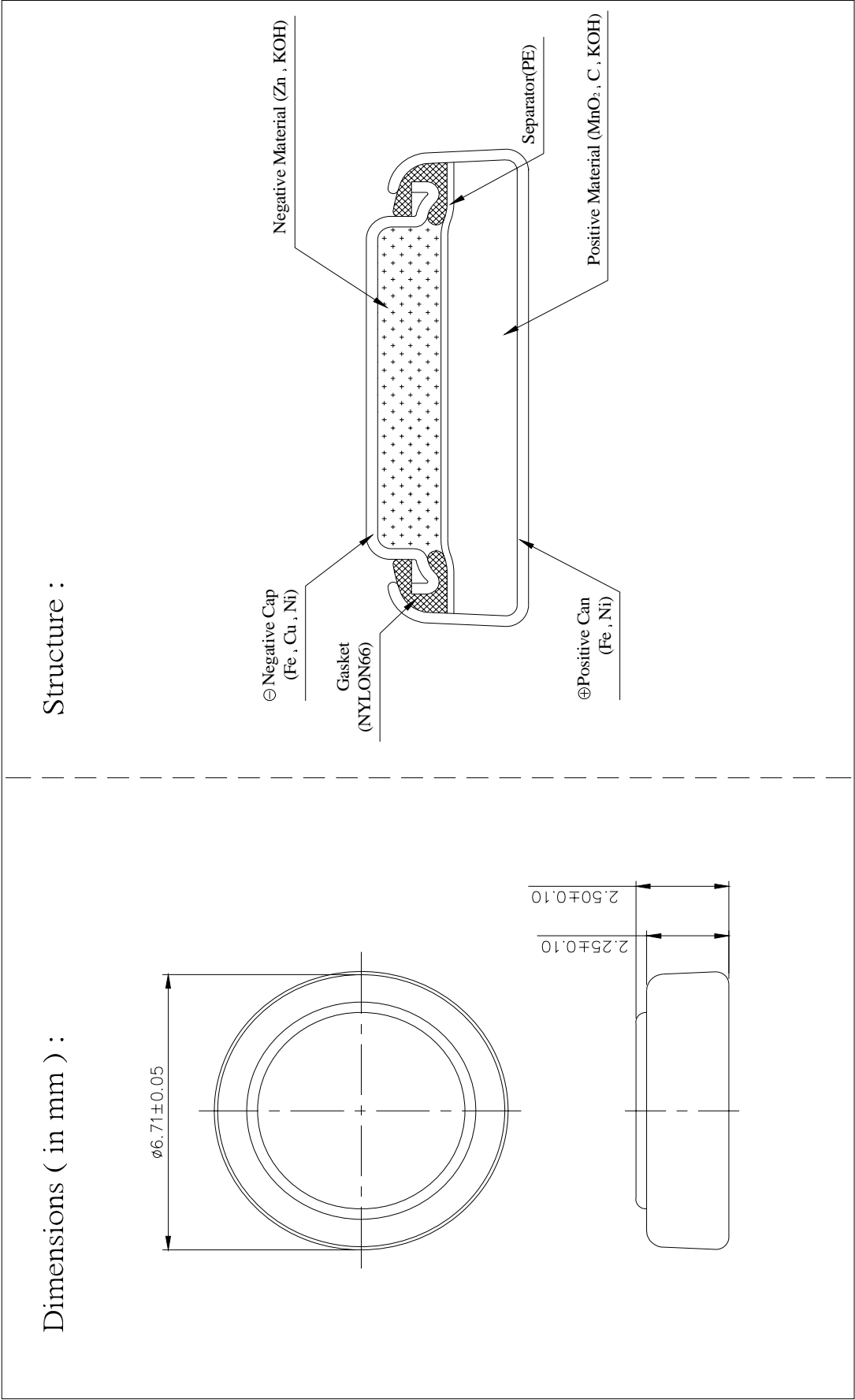


Fig. 1